

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	53	("5319776"   "5373375"   "5517612"   "5544320"   "5623600"   "5673322"   "5684969"   "5701451"   "5706434"   "5724556"   "5727159"   "5742905"   "5768510"   "5805735"   "5832208"   "5889943"   "5896506"   "5918008").PN. OR ("6088803").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:28
L3	14	I2 and ftp	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:31
L4	0	I2 and ftp and timeout	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:32
L5	2	"6996062".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:32
L6	2	"6088803".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 14:32
L7	1	(L5 or L6 or I2) and ftp and timeout	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:33
L8	29	726/22-24.ccls. and timeout and ftp	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:39
L9	75	726/22-24.ccls. and timeout and tcp	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 14:39
L10	15	726/22-24.ccls. and (timeout same tcp)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:16
L13	0	"709".ccls. and (timeout same tcp)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:17
L14	499	"709"/\$.ccls. and (timeout same tcp)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:17

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L15	81	"709"/201-203.ccls. and (timeout same tcp)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:19
L16	1	"709"/\$.ccls. and ((prevent adj timeout) same tcp)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:20
L17	30	"709"/\$.ccls. and trickle and timeout	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:33
L18	1	"709"/\$.ccls. and (repea\$ adj ((last final) adj packet))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:36
L19	0	"709"/\$.ccls. and (repea\$ adj ((last final) adj frame))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:38
L20	8	"709"/\$.ccls. and (retransmi\$ adj ((last final) adj (frame packet)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/15 15:38
S38 33	34	726/13.ccls. and (713/187,188. ccls. 726/22-25.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/13 16:21
S38 35	16	("20010049795"   "5414833"   "5623600"   "5983348"   "6092194"   "6098173"   "6125390"   "6154844"   "6167520"   "6321334"   "6336140"   "6345361").PN. OR ("6449723").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/14 15:07
S38 36	676	726/22-24.ccls. and packet	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 15:08
S38 37	93	726/22-24.ccls. and (packet adj filter\$)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 15:18
S38 38	49	726/22-25.ccls. and (packet adj filter\$) and virus	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 15:18

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S38 39	23	("5343524"   "5414833"   "5490252"   "5606668"   "5623601"   "5896499"   "5944823").PN. OR ("6119236").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/14 16:35
S38 40	9	S3839 and virus	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/14 18:11
S38 41	2	726/13.ccls. and (final adj packet)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 18:12
S38 42	5	726/13.ccls. and (last adj packet)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/14 18:15
S38 43	24	726/13,22-25.ccls. and ((last final) adj (packet fragment))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 09:32
S38 44	0	("709"/\$.ccls. "726"/\$.ccls.) and ((drop discard) adj ((last final) adj (packet fragment)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:19
S38 45	0	("713"/\$.ccls.) and ((drop discard) adj ((last final) adj (packet fragment)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:20
S38 46	1	("370"/\$.ccls.) and ((drop discard) adj ((last final) adj (packet fragment)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:21
S38 47	2	((drop discard) adj ((last final) adj (packet fragment)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:29

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S38 49	3	((drop discard dump reject) adj ((last final) adj (packet fragment)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:29
S38 50	15	((drop discard dump reject) adj ((last final) adj (packet fragment frame cell)))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/15 08:29

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1 Virtual clock: a new traffic control algorithm for packet switching networks   
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A challenging research issue in high speed networking is how to control the transmission rate of statistical data flows. This paper describes a new algorithm, VirtualClock, for data traffic control in high-speed networks. VirtualClock maintains the statistical multiplexing flexibility of packet switching while ensuring each data flow its reserved average throughput rate at the same time. The algorithm has been tested through simulation.

2 VirtualClock: a new traffic control algorithm for packet-switched networks   
 Lixia Zhang  May 1991 **ACM Transactions on Computer Systems (TOCS)**, Volume 9 Issue 2  
 Publisher: ACM Press  
 Full text available:  pdf(1.76 MB) Additional Information: full citation, abstract, references, citations, index terms, review

One of the challenging research issues in building high-speed packet-switched networks is how to control the transmission rate of statistical data flows. This paper describes a new traffic control algorithm, VirtualClock, for high-speed network applications. VirtualClock monitors the average transmission rate of statistical data flows and provides every flow with guaranteed throughput and low queueing delay. It provides firewall protection among individual flows, as in a TD ...

**Keywords:** data traffic control, performance guarantee, rate-based flow-control algorithms, statistical multiplexing, time-division-multiplexing

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